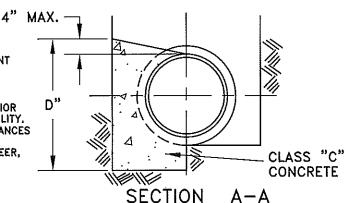


NOTES:

- 1. BACKER DESIGNED FOR 3000 PSF SOIL BEARING.
- 2. CONCRETE TO BE PLACED AGAINST UNDISTURBED EARTH.
- ALL NEW PIPE 20" & LARGER SHALL BE RESTRAINED JOINT PER CCMS ITEM 801 UNLESS OTHERWISE INDICATED PER PLAN OR AS DIRECTED BY THE ENGINEER.
- 4. EXISTING WATER LINES 20" AND GREATER MUST HAVE PRIOR APPROVAL FROM DOW TO LOWER UNDER A PROPOSED UTILITY. APPROVAL WILL ONLY BE GIVEN UNDER SPECIAL CIRCUMSTANCES AND CONTINGENT UPON THE CONTRACTOR SUBMITTING A DESIGNED DRAWING, STAMPED BY A PROFESSIONAL ENGINEER, DETAILING HOW THE LOWERED WATER MAIN WILL BE RESTRAINED TO THE EXISTING WATER MAIN.
- 5. PROVIDE CLEARANCE FOR REMOVAL OF BOLTS.



CITY OF COLUMBUS
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF WATER

APPROVED:

EC Westerfield 5-14-13

ADMINISTRATOR DATE

STANDARD DETAIL

BACKING FOR BENDS

HORIZONTAL AND VERTICAL SAG

